Techniseal®

25 years of excellence and innovation

Polymeric Jointing Sand
for Pavers

Easy to use
Stays within joints

Installation
Guide

For full details, visit techniseal.com

TECHNISEAL® Polymeric jointing sand for pavers: a high-tech mix of graded sand and binder, specially formulated for the filling of narrow or wide joints when installing pavers or slabs, or when replacing existing joints. Unlike conventional sand, it stays in place and remains stable.

RG+ POLYMERIC JOINT

Issued from the latest generation of polymer, RG+ becomes water resistant quickly after activation. Designed to make joint stabilization easier than ever, RG+ is recommended for the filling of paver or slab joints on surfaces exposed to normal traffic, such as driveways, terraces, backyards, garden paths, access roads, etc.

HP POLYMERIC JOINT

This **HIGH-PERFORMANCE** mix, with a high level of polymer content, provides unrivalled effectiveness and durability. HP is specially formulated for the filling of paver and slab joints in highly-exposed areas: public ways (subject to heavy traffic and intensive cleaning), sloped driveways (subject to fast erosion due to run-off), pool decks (frequently soaked), etc. HP is also recommended for the replacement of existing joints.

Techniseal® Technologies

- Stabilizes pavers – Strengthens interlocking
- Resists erosion – Water, frost heaving, wind, power washing, etc.
- Applied dry - Hardens after being misted
- Deters ants or other insect infestation
- Inhibits weed growth

Before Beginning Installation

Choose the right TECHNISEAL® polymeric joint according to your paver joint size, job configuration and expected traffic.

- Normal-traffic areas
- Driveways
- Terraces
- Garden paths
- New installations
- Joint size:
  Maximum width: 1" (2.5 cm)
  Minimum depth: 1.5" (4 cm)

RG+

- High-traffic areas
- Heavily sloped surfaces
- Pool decks or other frequently soaked surfaces
- Replacement of existing joints
- Joint size:
  Maximum width: 1" (2.5 cm)
  Minimum depth: 1.25" (3 cm)

HP

See bag for complete instructions or visit our website: techniseal.com

How to DO IT RIGHT

To get the most out of TECHNISEAL'S® polymeric joints, follow the easy steps outlined in this guide paying special attention to the following important directions.

CHECK LIST

Steps	Checked	IMPORTANT!
 INSTALLATION	☐	Check the weather forecast: A temperature above 32°F (0 °C) for the drying period and no precipitation for the next 90 minutes for **RG+** or 24 hours for **HP**.
	☐	A perfectly dry surface.
 COMPACTION	☐	**Essential Step** Mechanical or manual compaction is necessary.
 WETTING	☐	**Remove all SAND** residue with a broom and a leaf blower before misting the surface.
	☐	**Moisten** joints down to 1.5 inch (4 cm).
 DRYING	☐	**RG+** JOINT will resist rain 90 minutes after wetting but needs to dry completely to reach its full strength. **HP** JOINT must completely dry before being exposed to water (rain, splashes, etc.).

WARNING

Do not mix Polymeric joint with cement or sand. Avoid excessive wetting or flooding of paved areas during installation. Not for use on submerged or constantly wet surfaces. Do not use as a substitute for mortar (e.g. paving stones installed over a concrete bedding). Use on pavers or slabs installed over a drainage bed (sand-set).

1 – Installation

Weather conditions:

Use the product in **dry weather and when there is no rain forecasted** for 90 min. for **RG+** JOINT or 24 hours for **HP** JOINT. **Temperature should remain above 32°F (0 °C) during the drying period**.

The surface must be completely dry.

Why? To prevent moisture from activating the polymer that could make the JOINT stick to the surface and stain it.

- Spread the polymeric jointing sand uniformly over the surface.

- Using a push broom, sweep the product so as to fill the joints completely, down to their full depth. Avoid sweeping product over long distances so that the integrity of polymeric joint is preserved.

Why? Sweeping product over long distances creates a screening effect that drags most of the coarse particles while leaving behind the fine ones that contain the binders and polymers.

2 – Compaction

This step is essential to obtain solid, durable joints.

Why? COMPACTION eliminates most voids and creates perfect contact between the aggregates, binders and polymers ensuring a dense and solid joint that lasts.

Why? With most voids eliminated, the product absorbs much less water during the wetting step and dries much faster.

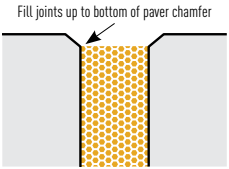
The compaction method is determined by the thickness of the pavers and slabs installed.

Pavers 2" (5 cm) thick or more:

Pass a plate vibrator over the entire surface to fully firm up the joints.
For pavers with smooth surface, use a protective pad.

Slabs or pavers less than 2" (5 cm) thick:

If mechanical compaction is not recommended by the manufacturer, hammer the entire surface with a rubber mallet to create a vibration that will fully firm up all the joints.



Repeat steps 1 & 2 until joints are completely packed. Joints must be filled up to the bottom of the paver chamfer, or at least up to 1/8" (3 mm) below the top of the pavers.

3 – Wetting

Important: Sweep the surface with a fine bristle brush and remove all residue with a leaf blower.

Why? To avoid having product residue activated with water and stick to the surface of the pavers or slabs

Wetting should take place in sections at a time: **RG+**: 200 sq. ft (20 m^2), **HP**: 500 sq. ft (50 m^2). Ensure that the wetting of one section is finished before another section is started.

Why? Wetting large surfaces all at once takes too much time; the product starts to dry on the surface and is then difficult to moisten properly. This is especially true for **RG+** JOINT and that's why the recommended wetting section size should be no larger than 200 sq. ft (20 m^2). (**HP**: 500 sq. ft, 50 m^2).

Produce a very fine mist so that the water falls gently without displacing the polymeric joint. Moisten the whole section lightly and in a continuous manner; avoid flooding the surface and causing runoff. Using a small screwdriver, verify the progress of the wetness in several areas by emptying a small portion of the joint. Once the joints are moistened 1.5" (4 cm) deep, stop watering the section and move on to the next one.

Why? Too much water would cause the binder to run off and prevent the joints from solidifying.

With the right amount of water, drying time is considerably reduced.

4 – Drying

To ensure optimal cohesion and long-term stability, polymeric joint **must dry completely after initial wetting**. Drying time will be shorter if it is warm and dry, and longer if the climate is cool and damp.

HP JOINT: In cases where a surface jointed with **HP** JOINT could be exposed to water during the drying period, protect the area with a tarp. Remove the tarp as soon as the risk of rain is past.

Why? Like paint, polymeric joint needs to dry completely to polymerize and provide all its benefits.

Downtime before using:

- Pedestrian areas: no specific considerations.
- Motor-vehicle areas: 24 to 48 hours.

To preserve the appearance and the integrity of pavers installed with TECHNISEAL® polymeric joint, it is advisable to treat the surface with a TECHNISEAL® PROTECTIVE PRODUCT. Wait 30 days after polymeric joint application before cleaning and sealing.

Joint Replacement

For joint replacement projects, it is necessary to first empty the joints before applying new polymeric joint.

Use a pressure washer to empty the joints completely.

Why? polymeric joint performs at its best when it is at the proper depth; it then adheres to the walls of the pavers.

Minimum required depth and maximum width